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**From:** Andrae, Bill/MKE [William.Andrae@jacobs.com]  
**Sent:** 4/13/2021 10:28:41 PM  
**To:** Giancarlo, Mary Beth [Giancarlo.Marybeth@epa.gov]; Klinkhamer, Christopher [Klinkhamer.Christopher@epa.gov]  
**Subject:** RE: Gorge Dam RD Weekly Meeting  
**Attachments:** TM\_Response to Comments\_04132021\_Final.pdf

Mary Beth and Chris – Attached is a final PDF of the TM including the attachments. Please let me know if you would like to send the native files as well. If you think we need some changes, I can make them first thing tomorrow morning.

Cheers!

Bill

**Bill Andrae** | Jacobs | Design Manager / Environmental Engineer  
M:+01.262.366.0968 | [william.andrae@jacobs.com](mailto:william.andrae@jacobs.com)  
1610 North 2<sup>nd</sup> Street Suite 201 | Milwaukee, WI 53212 | USA

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Reinventing tomorrow.

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**From:** Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>  
**Sent:** Tuesday, April 13, 2021 4:52 PM  
**To:** Andrae, Bill/MKE <William.Andrae@jacobs.com>; Klinkhamer, Christopher <klinkhamer.christopher@epa.gov>  
**Subject:** [EXTERNAL] RE: Gorge Dam RD Weekly Meeting

Responses look good to me, Bill. Thanks!

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**From:** Andrae, Bill/MKE <William.Andrae@jacobs.com>  
**Sent:** Tuesday, April 13, 2021 4:18 PM  
**To:** Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>; Klinkhamer, Christopher <Klinkhamer.Christopher@epa.gov>  
**Subject:** RE: Gorge Dam RD Weekly Meeting

Mary Beth and Chris - Please review the text revisions in the yellow cells you had questions about. With respect to the Cost and Schedule Risk Analysis, I added text that CH2M is not scoped to do a formal CSRA, but we have identified key risk items and proposed solutions to them. The data collected will influence the cost estimates appropriately and reduce the contingency.

If a formal CSRA is something the Stakeholders are interested in, perhaps we add it to Amendment 5?

If you are satisfied with the table, I can pull together a final PDF to send to the Stakeholders tomorrow morning.

Please let me know if you have any questions.

Cheers!

Bill

**Bill Andrae** | Jacobs | Design Manager / Environmental Engineer  
M:+01.262.366.0968 | [william.andrae@jacobs.com](mailto:william.andrae@jacobs.com)  
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**From:** Giancarlo, Mary Beth <[Giancarlo.Marybeth@epa.gov](mailto:Giancarlo.Marybeth@epa.gov)>  
**Sent:** Tuesday, April 13, 2021 1:32 PM  
**To:** Andrae, Bill/MKE <[William.Andrae@jacobs.com](mailto:William.Andrae@jacobs.com)>; Klinkhamer, Christopher <[klinkhamer.christopher@epa.gov](mailto:klinkhamer.christopher@epa.gov)>  
**Subject:** [EXTERNAL] RE: Gorge Dam RD Weekly Meeting

Perfect, thanks!

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**From:** Andrae, Bill/MKE <[William.Andrae@jacobs.com](mailto:William.Andrae@jacobs.com)>  
**Sent:** Tuesday, April 13, 2021 1:29 PM  
**To:** Giancarlo, Mary Beth <[Giancarlo.Marybeth@epa.gov](mailto:Giancarlo.Marybeth@epa.gov)>; Klinkhamer, Christopher <[Klinkhamer.Christopher@epa.gov](mailto:Klinkhamer.Christopher@epa.gov)>  
**Subject:** RE: Gorge Dam RD Weekly Meeting

I think this should do it.

Taking into account the changes described above, the revised cost estimate for the sediment remediation is \$104,903,000 and the revised cost estimate for the disposal area is \$8,174,000. The disposal area cost estimate includes \$4,114,000 for activities such as clearing, grubbing, ground improvement, and perimeter stormwater ditch construction that need to be completed by the local stakeholder(s) prior to placement of the stabilized dredge material. The disposal area cost estimate also includes \$4,060,000 to be provided by local stakeholder(s) in the form of a cash payment to GLNPO in order for the dredging contractor to implement the closure/restoration activities such as the vegetative support layer, topsoil, erosion control seeding, and final stormwater management features.

Cheers!

Bill

**Bill Andrae** | Jacobs | Design Manager / Environmental Engineer  
M: +01.262.366.0968 | [william.andrae@jacobs.com](mailto:william.andrae@jacobs.com)  
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**From:** Giancarlo, Mary Beth <[Giancarlo.Marybeth@epa.gov](mailto:Giancarlo.Marybeth@epa.gov)>  
**Sent:** Tuesday, April 13, 2021 12:29 PM  
**To:** Andrae, Bill/MKE <[William.Andrae@jacobs.com](mailto:William.Andrae@jacobs.com)>; Klinkhamer, Christopher <[klinkhamer.christopher@epa.gov](mailto:klinkhamer.christopher@epa.gov)>  
**Subject:** [EXTERNAL] RE: Gorge Dam RD Weekly Meeting

That is even more confusing. How about:

Taking into account the changes described above, the revised cost estimate for the sediment remediation is \$104,889,000 and the revised cost estimate for the disposal area is \$8,188,000. The disposal area cost estimate includes \$4,128,000 for activities such as *(please fill in those activities – clearing, stormwater ditches, etc.)* that need to be completed by the local stakeholder(s) prior to placement of the stabilized dredge material. The disposal area cost estimate also includes \$4,060,000 to be provided by local stakeholder(s) in the form of a cash payment to U.S. EPA in order for the sediment remediation contractor to implement closure/restoration activities such as *(fill in activities here)*.

Does that make it clearer? Another option is to just put in that first sentence and that's it.

-MB

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**From:** Andrae, Bill/MKE <[William.Andrae@jacobs.com](mailto:William.Andrae@jacobs.com)>

**Sent:** Tuesday, April 13, 2021 11:53 AM

**To:** Giancarlo, Mary Beth <[Giancarlo.Marybeth@epa.gov](mailto:Giancarlo.Marybeth@epa.gov)>; Klinkhamer, Christopher <[Klinkhamer.Christopher@epa.gov](mailto:Klinkhamer.Christopher@epa.gov)>

**Subject:** RE: Gorge Dam RD Weekly Meeting

Mary Beth and Chris – How does the following sound to you with respect to the non-Federal Stakeholder cost text we discussed:

Taking into account the changes described above, the revised cost estimate for the sediment removal (dredging) activities is \$108,949,000 including an estimated \$4,060,000 cash payment from the Stakeholders to GLNPO for the disposal area final cover and restoration work to be completed by the dredging contractor. The revised cost estimate for the disposal area activities is \$4,128,000. Therefore, the total non-Federal Stakeholder payment for the overall project (sediment removal and disposal area) is estimated at \$8,188,000.

Cheers!

Bill

**Bill Andrae** | Jacobs | Design Manager / Environmental Engineer

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